### PATENT COOPERATION TREATY

### From the INTERNATIONAL SEARCHING AUTHORITY

To: LISA A. HAILE	PCT		
DLA PIPER RUDNICK GRAY CARY US LLP 4365 EXECUTIVE DRIVE, SUITE 1100 SAN DIEGO, CA 92121-2133	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION		
	(PCT Rule 44.1)		
	Date of mailing (day/month/year) 28 JUL 2006		
Applicant's or agent's file reference DNA1180-1WO	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US05/04513	International filing date (day/month/year) 11 February 2005 (11.02.2005)		
Applicant DNAPRINT GENOMICS, INC.			
1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.			
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the co	9: claims of the international application (see Rule 46):		
When? The time limit for filing such amendments search report.	is normally two months from the date of transmittal of the international		
Where? Directly to the International Bureau of WIF 1211 Geneva 20, Switzerland, Facsimile N	PO, 34 chemin des Colombettes o.: (41-22) 338.82.70.		
For more detailed instructions, see the notes on the	accompanying sheet.		
2. The applicant is hereby notified that no international sea Article 17(2)(a) to that effect and the written opinion of	arch report will be established and that the declaration under the International Searching Authority are transmitted herewith.		
3. With regard to the protest against payment of (an) add	litional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has b request to forward the texts of both the protest and	een transmitted to the International Bureau together with the applicant's the decision thereon to the designated Offices.		
no decision has been made yet on the protest; the a	applicant will be notified as soon as a decision is made.		
4. Reminders			
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
	ths (or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about to Guide, Volume II, National Chapters and the WIPO Internet sit	he applicable time limits. Office by Office, see the PCT Applicant's te.		
Name and mailing address of the ISA/ US	Authorized officer 7. Roberts 60		
Mail Stop PCT. Attn: ISA/US Commissioner for Patents	Jeanine Enewold Goldberg		
P O. Box 1450 Alexandria. Virginia 22313-1450  Faccingly No. 571, 273-1701	Telephone No. (571)-272-1600		

Facsimile No. 571 (273-3201) Form PCT ISA, 220 (January 2004)

See notes on accompanying sheet)

## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference DNA1180-1WO	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.				
International application No. PCT/US05/04513	tion No. International filing date (day/month/year) (Earliest) Priority Date (day/month/year) 11 February 2005 (11.02.2005) 13 February 2004 (13.02.2004)				
Applicant DNAPRINT GENOMICS, INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of					
5. With regard to the abstract, the text is approved as subm the text has been established may, within one month from	nitted by the applicant.  , according to Rule 38.2(b), by this Authority in the date of mailing of this international searce	as it appears in Box No. IV. The applicant h report, submit comments to this Authority.			
as suggested by the	Authority, because the applicant failed to sugg	est a figure.			

Form PCT ISA, 210 (first sheet) (April 2005)

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04513

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)				
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:     a. type of material				
	a sequence listing			
	table(s) related to the sequence listing			
h	format of material			
	on paper			
	in electronic form			
c.	time of filing/furnishing			
	contained in the international application as filed			
	filed together with the international application in electronic form  furnished subsequently to this Authority for the purposes of search			
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3.	Additional comments:			
	$\cdot$			

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04513

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:			
Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet			
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-3, 5-13, for SNP 1 only  The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.  The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
No protest accompanied the payment of additional search fees.			

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04513

A. CLASSIFICATION OF SUBJECT MATTER  IPC: C07H 21/04( 2006.01);C12Q 1/68( 2006.01)			
IFC.	CO/H 21/04( 2000.01), C12Q 1/00( 2000.01)		
USPC:	435/6:536/23.1		
	International Patent Classification (IPC) or to both na	tional classification and IPC	
B. FIELI	DS SEARCHED		
Minimum do	cumentation searched (classification system followed b	y classification symbols)	
	35/6; 536/23.1		
			.1. C-14
Documentation	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched
Electronic da	ta base consulted during the international search (name	e of data base and, where practicable, sear	ch terms used)
	cutaneous albinism III rs2311470	,	,
	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where a		Relevant to claim No.
. Х	FRUDAKIS et al. "Sequences associated with huma pages 2071-2083, December 2003.	in Iris Pigmitation" Genetics, vol. 165,	1-3, 5-13
A, P	STURM et al. "Eye colour: portals into pigmentation		1-3, 5-13
	Genetics, Vol. 20, No. 8, pages 327-332, August 20	J04.	
			,
	•		
Further	documents are listed in the continuation of Box C.	See patent family annex.	
	pecial categories of cited documents:	"T" later document published after the inte	
	defining the general state of the art which is not considered to be	date and not in conflict with the applic principle or theory underlying the inve	
·	lar relevance	"X" document of particular relevance; the	
	plication or patent published on or after the international filing date	when the document is taken alone	red to involve an inventive step
establish	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	Y document of particular relevance; the	
specified)		considered to involve an inventive step combined with one or more other such	documents, such combination
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	
	published prior to the international filing date but later than the ate claimed	* document member of the same patent	family
Date of the a	ctual completion of the international search	Date of mailing of the international search	ch report
10 June 2006 (10.06.2006)		Authorized officer	<del></del>
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US		Inchise Spanish Coldbar 4	which la
Commissioner for Patents P.O. Box 1450		Jeanine Enewold Goldberg 7.	July 1
Alexandria, Virginia 12313-1450		V	
Facsimile No	. (571) 273-3201		

Form PCT TSA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT	International application No. PCT/US05/04513
	mva.
BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.	
Group I, claim(s) 1-13, drawn to methods for inferring eye color using SNPs (see	further lack of unity)
Group II, claim(s) 14-20, drawn to an article/photo.	
Group III, claim(s) 21-24, 28, drawn to nucleic acids.	
Group IV, claim(s) 24, 28 drawn to a polypeptide.	
Group V, claim(s) 24-27, drawn to a method for inferring hair color.	
The inventions listed as Groups I-V do not relate to a single general inventive cond 13.2, they lack the same or corresponding special technical features for the follow within the OCA2 gene which are associated with eye color (see Frudakis et al. Generover, the prior art teaches the OCA2 gene which is not a contribution over the which is not a contribution over the prior art. Furthermore, Claim 14 is directed to claims are not a contribution over the prior art and lack unity.	ing reasons. The prior art teaches polymorphisms netics, Vol. 165, pages 2071-2083 December 2003). The prior art. The common structure is the OCA2 gene
Restriction Requirement Applicable to	All Groups:
Each SNP sequence is distinct because they are unrelated sequences, i.e. these seq these sequences differ in structure and in function and in biological activity. Further on protein structure or function, these sequences themselves represent allelic varia implications.	er, even where the nucleic acid changes have no effect